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Microplastics from sea to table

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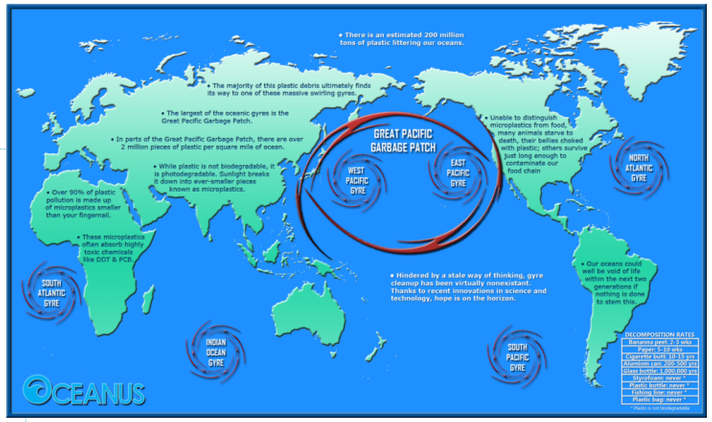
Introduction

Microplastics (MP) are a worldwide problem and it's presence is known since 1968. The studies based in this field are very wide focusing in the physical, chemical and organic contamination (chemical substances content and/or the ingestion by organisms).



What are MP

The plastic is broken in small pieces called MP which can be classified in many ways. These particles have substances in the surface, absorbed inside or part of the plastic composition.

Classification	
Thermal properties	Thermostable Thermoplastics
Origin	Primary Second
Action	Physic Chemical Biologic
Color	
Density	Low High

Substances in MP, examples	
Plàstic composition	Phthalates, Zinc & other heavy metals
Adhered	Chlordane
Absorbed	Polychlorinated biphenyl

Integration MP in organisms

MP have similar appearance to their food or they ingest preys with MP inside. MP create health problems with physical damage or toxic substances.

Ingestion Reasons	Size	Density	Abundance	Color	Smell

Conclusions

MP are a huge problem . Researches are trying to discover how they can affect the marine animals and the humans. Alternative plastic innovations are creating new products to reduce the use of plastics or find new biodegraded materials.
Humans have to take action choosing other materials and thinking new ways to use the plastic: "Cradle to Cradle"!

Bibliography

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